

Patent Abstracts of Japan

PUBLICATION NUMBER : 61099880  
PUBLICATION DATE : 17-05-86

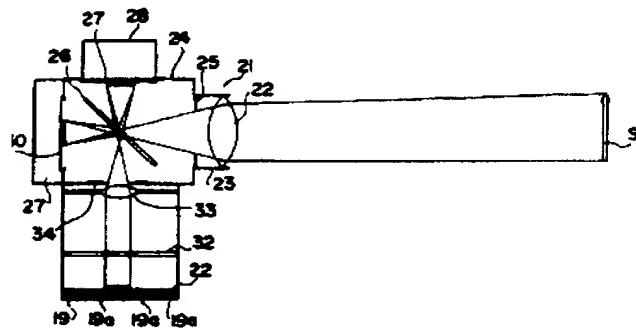
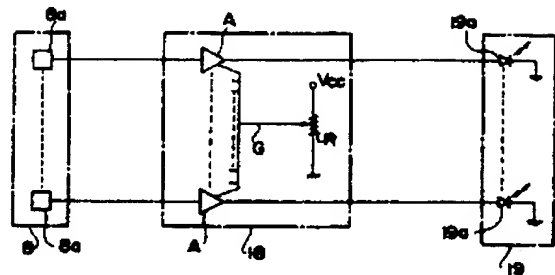
APPLICATION DATE : 23-10-84  
APPLICATION NUMBER : 59221139

APPLICANT : HITACHI CONSTR MACH CO LTD;

INVENTOR : IGARASHI TERUO;

INT.CL. : G01S 3/80 G01H 3/00

TITLE : SOUND COLLECTION TYPE SOUND  
SOURCE SURVEY DEVICE



ABSTRACT : PURPOSE: To survey and measure the position of a sound source easily and accurately with a simple constitution by focusing a sound image displayed visually by an acoustic visualizing device and an object image formed by a body image forming device, and contrasting those images with each other.

CONSTITUTION: A sound collector is directed to a sound source to receive a sound by a microphone array 8, and this microphone array 8 is moved along the mirror axis of a reflecting surface to perform acoustic focusing. Its sound image is focused when a light emitting diode array 19 is arranged where the quantity of light of each light emitting diode 19a is maximum. Then, the object image formed through a camera 21 is focused according to said focusing and those obtained object image and sound image are superposed on a focal plate 27 one over another. Then, equipment or a device which is in focus in the object image and emits light as a sound image is detected in the superposition image to survey and measure the position of the sound source easily and accurately with the simple constitution.

COPYRIGHT: (C) JPO